

ABSTRACT OF THE DISCLOSURE

A method and system for transmitting information modulated radio frequency (RF) signals between a plurality of communication nodes includes a plurality of transceivers. One or more first transceivers receive a first modulated RF signal and convert it to a modulated infrared (IR) signal, and a second modulated IR signal and convert it to a second modulated RF signal. One or more second transceivers receive the first modulated IR signal from the first transceiver and convert it to a third modulated RF signal, and receive a fourth modulated RF signal and convert it to the second modulated IR signal. The third modulated RF signal is substantially equivalent to the first modulated RF signal, and the second modulated RF signal is substantially equivalent to the fourth modulated RF signal.